

2021 5th International Conference on Information Systems and Computer Networks (ISCON 2021)

**Mathura, India
22 – 23 October 2021**

Pages 1-565



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5th International Conference on Information Systems and Computer Networks (ISCON 2021)

October 22-23, 2021

Session-1		Date: 22 October 2021	Time: 12:00-15:00
Keynote Speaker 1: Maiya Din, Associate Director, New Delhi			
Keynote Speaker 2: Mr. Deepak Khatri, Lead Architect (Solution Architect - Quality Engineering Service) at Coforge, Research, Noida			
Session Chair 1: Mr. Harsh Singhal, Tech lead, VVDN Technology			
Session Chair 2: Dr. Jitendra Kumar, Associate Professor, GLA University, Mathura (8826220124)			
Rapporteur: Mr. Akhilesh Kumar Singh (9792633078)			
Track: Bio-informatics and Machine Learning			
Zoom Meeting ID: 974 2549 8956 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
1	52	Dharmendra Pathak and Ramgopal Kashyap	A review of the classification of neuroscience problems with the help of deep learning framework
7	82	Nikita Mittal and Alok Bharadwaj	Surveillance of Pathogenic Bacteria from Milk Samples.
12	166	Sunil Kumar and Mumtaj Haidar	Smart healthcare system for biomedical and health care applications using Aadhaar and Blockchain
17	297	Prativa Agarwalla and Sumitra Mukhopadhyay	Comparative Analysis of Multi-objective Algorithms for Imbalanced Biomedical Data Classification with Tuned Classifier
23	353	Neda Afreen, Ranjeeta Patel, Muneeb Ahmed and Mustafa Sameer	A Novel Machine Learning Approach Using Boosting Algorithm for Liver Disease Classification
28	375	Pratyush Priyansh, Vikas Tiwari, Chandresh Negi and H.M. Gaur	Low-Cost Midget Robot to Aid Viral Infectious Diseases: Shiv, A Robot for Med Field
34	433	Anju P Unni, A Sreekumar and Kannan Balakrishnan	Disease Based Computational Drug Repurposing: A Review
40	445	Amitava Choudhury, Alok Negi and Tanmay Bhowmik	A Study on Effect of COVID-19 and AI tools to Detect Coronavirus from Chest Medical Images
46	697	Nehul Singh	Object oriented programming: Concepts, limitations and application trends

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Session-2		Date: 22 October 2021	Time: 12:00-15:00
Keynote Speaker 1: Mr. Puneet Mishra, Indian Space Research, Systems Integration Group U. R. Rao Satellite Centre Bangalore			
Keynote Speaker 2: Masoud Mohammadian, Associate Professor , Information, Technology (IT) & Systems, Australia			
Session Chair 1: Dr. Vipin Balyan, Cape Peninsula University of Technology, South Africa			
Session Chair 2: Dr. Sandeep Kumar Rathore, GLA University, Mathura (9456606364)			
Rapporteur: Mr. Subhash Chand Agarwal (9897552489)			
Track: AI in Healthcare			
Zoom Meeting ID: 964 9861 8470 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
50	446	Abhishek Das, Saumendra Kumar Mohapatra and Mihir Narayan Mohanty	A Concatenated Model with Deep Learning Technique for Skin Lesion Detection
55	453	Narendra Mohan, Vinod Jain and Gauranshi Agrawal	Heart Disease Prediction Using Supervised Machine Learning Algorithms
58	455	Animan Tripathi and Pravir Kumar	Identification of Putative LRRK2 Inhibitors in the Pathogenesis of Parkinson's Disease: A Drug-repurposing Approach
62	456	Harshita Goswami and Pravir Kumar	Is Artificial Intelligence a Helping Hand for The Future of Neurosurgery?
68	467	Yami Garg and Pravir Kumar	Regulation of Hypoxia Inducible Factor via Histone Deacetylase 3 Inhibitor Valproic Acid
72	474	Divya Yadav and Pravir Kumar	Parkinson's Disease: An overview and role of glutamate and its receptors
77	483	Seema Maitrey and Kajal Kansal	Emergence of 30 AI Based Solutions to Tackle COVID -19 in India: Are These Tools Helpful or Not?
82	491	Sfurti Sarah, Mahendra Gourisaria, Vinayak Singh and Pradeep Singh	Retinal Disease Detection using CNN through Optical Coherence Tomography Images
89	519	Muzammil Khan and Dr. Pushpendra Kumar	Early Prediction of COVID-19 Suspects Based on Fractional Order Optical Flow

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Session-3		Date: 22 October 2021	Time: 12:00-15:00
Keynote Speaker 1: Dr. Dinesh K. Vishwakarma, Professor, Delhi College of Engineering			
Keynote Speaker 2: Mr. Nikhil Singhal, Associate Software Engg, Accenture			
Session Chair 1: Dr. Pooja Pathak, GLA University, Mathura (9897249598)			
Session Chair 2: Dr. Ankush Agarwal, GLA University, Mathura (9997521145)			
Rapporteur: Mr. Rajesh Tripathi (9410075857)			
Track: Bio-Information Technology			
Zoom Meeting ID: 964 2678 9452 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
96	149	Ambika Gupta	Offloading Android Storage to Cloud Platform
102	218	Mayank Srivastava	Build A Log Analytic Solution on Aws
107	443	M.Vishnu Kartik and Sanmukh Kaur	Introduction of 5G to Artificial Intelligence Drones
111	479	Manish Gupta	Identifying The Future Security Issues Methods for Secure Data In The Cloud Computing
115	521	Manoj Diwakar, Richa Pandey, Ritik Sharma, Sapna Saun, Prabhishek Singh and Neeraj Kumar Pandey	Internet of Medical Things: A CT image denosing in tetrolet domain
121	535	Dhirendra Prasad Yadav, Prabhav Saini and Pragya Mittal	Feature Optimization Based Heart Disease Prediction using Machine Learning
126	571	Dhanaraj Anthony Jerline Sheebha Anni, Mohammed Nabeel, Meharunnisa A A, Kavyakannan Kannan and Fathima Hiba K K	A Covid 19: QR Code based Health monitoring system
131	624	Aditya Saxena	A Bioinformatics Approach for Deciphering the Pathogenic Processes of COPD
134	663	Vikas Solanki, Umesh Solanki, Anupam Baliyan, Vinay Kukreja, Vikas Lamba and Bidush Kumar Sahoo	Importance of Artificial Intelligence and Machine Learning in fighting with COVID-19 Epidemic
142	692	Nasmin Jiwani, Ketan Gupta and Dr. Pawan Whig	Novel HealthCare Framework for Cardiac Arrest with the Application of AI Using ANN

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Session-4		Date: 22 October 2021	Time: 12:00-15:00
Keynote Speaker 1: Prof. RajKumar Buyya, University of Melbourne			
Keynote Speaker 2: Dr. Monica Bianchini, Associate Professor, University of SIENA, Italy			
Session Chair 1: Dr. Krishan Kumar, Head of the Department CSE, NIT Uttarakhand			
Session Chair 2: Dr. Mayank Srivastava, GLA University, Mathura (8979132666)			
Rapporteur: Mr. Ajeet Kumar Sharma (9634477686)			
Track: Data Communication and Computer Networks			
Zoom Meeting ID: 930 1577 5777 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
147	2	Vincent Nyangaresi	Energy Efficient WSN Sink-Cloud Server Authentication Protocol
153	11	Manoj Kumar Misra, Rashi Mathur and Rishish Tripathi	On Post Quantum Wireless Communication Security
159	31	Yashika Goyal, Neetu Faujdar and Reeya Agarwal	Blending of Cryptical Algorithms
164	54	Viplove Bansal	Survey on Homomorphic Encryption
168	62	Neeraj Kumar Pandey, Amit Kumar Mishra and Vivek Kumar	An Extended Intelligent Water Drop Strategy for Workflow Scheduling in Cloud Environment
172	106	Abhishek Goyal, Rakesh Garg and Komal Kumar Bhatia	Categorization of Task Scheduling Algorithms used in Cloud Environment
177	115	Anagha Panditrao, Vaishnavi Malwatkar, Pooja Babar and Shweta Wankhede	Development of VOC Monitoring System for Newly Painted Buildings
181	128	Ashish Pawar, Dhanshree Barthare, Naveen Rawat, Manish Yadav and Mahesh Shirole	BlockAudit 2.0 : PoA blockchain based solution for secure Audit logs
187	129	Praveen Kumar	Analytical study on Resource Allocation for parallel processing and Scheduling in Cloud Computing

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Session-5		Date: 22 October 2021	Time: 12:00-15:00
Keynote Speaker 1: Dr. Sanjay Mittal, Professor, IIT Kanpur			
Keynote Speaker 2: Dr. Sameep Mehta, IBM Distinguished Engineer, AI and Hybrid Data at IBM			
Session Chair 1: Dr. Asheesh Shukla, GLA University, Mathura (8126130707)			
Session Chair 2: Dr. Hitendra Garg, GLA University, Mathura (9997497095)			
Rapporteur: Mr. Praveen Mittal (9897449018)			
Track: Data and Network Security			
Zoom Meeting ID: 992 5745 4189 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
193	150	Ambika Gupta	Prompt And Secure Data Storage and Recovery System
197	193	Pallab Banerjee and Sharmistha Roy	An investigation of various task allocating mechanism in Cloud
203	194	Manoj Kumar Misra, Rashi Mathur and Rishish Tripathi	A New Encryption/Decryption Approach Using AES
208	228	Vivek Sharma, Abhishek Chauhan and Sulabh Bansal	Secure File Storage on Cloud using Hybrid Cryptography
214	235	Vivek Sharma, Aamod Tiwari and Divyanshu Srivastava	Cloud Based Shipping Management System
219	249	Dr Mayank Srivastava, Anjali Kumari, Krishan Kant Dwivedi, Sakshit Jain and Vrishti Saxena	Analysis and Implementation of Novel Keylogger Technique
225	256	Sanjay H A, Tulasi S, Sarang Parikh and Madhu N	Insights On Blockchain Frameworks For Decentralized Application Deployment
231	385	Khushnaseeb Roshan and Aasim Zafar	An Optimized Auto-Encoder based Approach for Detecting Zero-Day Cyber-Attacks in Computer Network
237	387	Rashmi Singh and Dr. Praveen Kumar Mannepalli	Cloud Malicious Threat Detection Using Convolution Filter and EBPNN

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Session-6		Date: 22 October 2021	Time:14:00-18:00
Keynote Speaker 1: Dr. G P Karmakar, Professor, Indian Institute of Technology, Kharagpur			
Keynote Speaker 2: Dr. Hari Mohan Pandey, Associate Professor, Edge Hill University UK			
Keynote Speaker 3: Dr. Sri Devi Ravana, Associate Professor, University of Malaya, Malaysia			
Session Chair 1: Dr. Alok Singh, Associate Professor, Guru Ghasidas University, Bilaspur			
Session Chair 2: Dr. Gaurav Kumar, GLA University, Mathura (8586968801)			
Rapporteur: Mr. Piyush Vashistha (9410420204)			
Track : Cloud and Grid Computing			
Zoom Meeting ID: 955 6099 3151 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
243	468	Pillareddy Vamsheedhar Reddy and Karri Ganesh Reddy	An analysis of a Meta heuristic optimization algorithm for cloud computing
249	475	S Asha Varma and Karri Ganesh Reddy	A Review of DDoS Attacks and Its Countermeasures in Cloud Computing
255	485	Babu Lal Sharma and Dharendra Mathur	Frequency Reconfigurable Patch- Reflector Antenna for Wireless Applications
260	516	Annaji Kuthe and Ashish Sharma	Review paper on Design and Optimization of Energy Efficient Wireless sensor network Model for Complex Network
263	566	Vimal Gaur and Rajneesh Kumar	HCTDDA: Hybrid Classification Technique for Detection of DDoS Attacks
268	572	R Laldusaka, Ajoy Khan and Amit Kumar Khan	Issues and Challenges in Building a Model for Intrusion Detection System
273	580	Ishaan Khetan, Palnaa Sheth, Sarthak Dalal, Sarthak Mistry, Varija Sharma and Neha Katre	Arbitrage in Cryptocurrency: A Survey
277	612	Nitin Kumar, Vinod Kumar and Pawan Kumar Verma	An Energy-Efficient Wireless Sensor Networks Approach based on ADV-LEACH2 Clustering Protocols for Heterogeneous and Homogeneous
283	638	Nitesh Singh Bhati and Manju Khari	Comparative Analysis of Classification Algorithms for Intrusion Detection

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Session-7		Date: 22 October 2021	Time: 14:00-18:00
Keynote Speaker 1: Dr. Jun Wang, University College London			
Keynote Speaker 2: Mr. Govind Singh Negi, Country Head, 3 Pillar Global, Noida			
Invited Speaker: Mr. Rahul Bansal, Solution Owner, NCR			
Session Chair 1: Dr. Abhishek, Associate Professor, IIT Kanpur			
Session Chair 2: Dr. Shashi Shekhar, GLA University, Mathura (8474970309)			
Rapporteur: Mr. Nikhil Govil (8171326789)			
Track : Data Mining & Information Retrieval			
Zoom Meeting ID: 917 6950 5776 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
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295	8	Charu Awasthi, Dr. Meenakshi Nawal and Dr. Prashant Kumar Mishra	Fuzzy Logic Based Hybrid Approach CAC Scheme in 5G
301	12	Rohan Singh and Pankaj Sharma	An overview of social media and sentiment analysis
305	47	Shailendra Kumar Mishra and Surendra Rahamatkar	Role of Predictive Data Analytics to Assess Long Term Impacts of Disaster
311	63	Satendra Yadav	A Five-Year bibliometric analysis of Artificial Intelligence (AI) from 2016 to 2020
315	74	Rajesh Sisodiya and Dr. Praveen Kumar Mannepli	Invasive Weed Optimization Based Sentiment Mining of Digital Review Content
321	75	Vikram Rajpoot, Ankur Chaturvedi and Kunal Goyal	An Empirical Study of Sentiment Analysis on Movie Review Using Machine Learning Based Classification Approach
325	124	Harshil Kanakia, Diksha Bandagale and Sayali Kamble	Analysis Of Mental Health During COVID-19 Pandemic
330	137	Rachna Somkunwar, Anil Kulnar Gupta, Faizan Shikalgar, Shubham Maral, Rohan Kapdi and Arpit Paithankar	A Novel Hybrid Approach for Fake News Detection

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Session-8		Date: 22 October 2021		Time: 14:00-18:00	
Keynote Speaker 1: Dr. Mario Jose Divan, National University of La Pampa					
Keynote Speaker 2: Mr. Shubham Joshi, Developer, Capgemini					
Session Chair 1: Dr. Manu K Gupta, IIT Roorkee					
Session Chair 2: Dr. Neeraj Gupta, GLA University, Mathura (9897267040)					
Rapporteur: Mr. Vivek Sharma (9648019011)					
• Track : Data Mining					
Zoom Meeting ID: 913 9078 6812 Passcode: 123					
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336	175	Himanshu Shekhar and Siddhartha Agarwal	Automated Natural Language Processing and Data Analysis on Fatality Reports of Indian Non-Coal Mines for Mines Safety		
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349	224	Pooja Malhotra, Manasi Patil, Tripti Anchan, Jash Gaglani and Khushali Ganatra	Negotiation Closer Bot: Negotiation Outcome Predictor based on Sentiment Analysis		
354	229	Vivek Sharma, Shubham Saraswat and Shivom Verma	Cost-Effective Data Mining Application Covid-19 Analyzer		
359	263	Vivek Devvrat Singh and Utkal Khandelwal	A Conceptual Framework for Post Lockdown Digital Marketing Strategy for Malls for developing Loyalty and e-Word of Mouth		
364	267	Aditi Sharma and Parmeet Kaur	Implementing a multitenant system using a document-based NoSQL database		
369	354	Meenu Gupta, Rakesh Kumar, Harshit Walia and Gagandeep Kaur	Airlines based Twitter Sentiment Analysis Using Deep Learning		
375	381	Meeta Chaudhry and Amit Kumar	Review and Analysis of Stock Market Data Prediction Using Data Mining Techniques		
385	404	Rahul Pradhan	Customer Segmentation Using Clustering Approach Based on RFM Analysis		
390	423	Suresh Babu Changalasetty	Using EM technique for Juvenile crime zoning		

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Session-9		Date: 22 October 2021	Time: 14:00-18:00
Keynote Speaker: Dr. David A/L Asirvatham, School of Computing And IT, Taylor			
Invited Speaker: Mr. Shubham Srivastava, Senior Software Engineer, Wipro			
Session Chair 1: Dr. Chandra Prakash, Asst. Professor, NIT Delhi			
Session Chair 2: Dr. Rakesh Kumar Galav, GLA University, Mathura (9639109098)			
Rapporteur: Ms. Nishtha Parashar (9617973292)			
Track : Big Data and Large Scale Methods			
Zoom Meeting ID: 969 0496 5947 Passcode: 123			
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402	512	Amrit Pal, Abishi Chowdhury, Satakshi Singh and Manish Kumar	Pipeline Based Big Data Sketching
410	513	Mohit Dagar, Abhishek Kajal and Pardeep Bhatia	Twitter Sentiment Analysis using Supervised Machine Learning Techniques
417	518	Gaurav Sharma and Atul Kumar Uttam	Multilayer Neural Network Model for Mixed martial arts Winner Prediction
422	525	Mansi Gupta, Preeti Gupta, Riya Kansal, Mahesh Khotani and Lovely Singh	Analysis of Twitter data to Identify Intuitive Mental Health Well Being
426	539	Sunil Singh, Kalpana Anshu and Reenu Kumari	A Machine Learning Model for Effective Consumer Behaviour Prediction
431	540	Dr. Jayshri Bansal, Dr. Pratosh Bansal and Rajesh Kumar Chakrawarti	Analysis of Hindi-English Poetry Translation through Machine Translation Systems
439	548	Manu Gupta, Mandepudi Nobel Chowdary, Sankeerth Bussa and Chennupati Kumar Chowdary	Deploying Hadoop Architecture Using Ansible and Terraform
445	596	Priya Shrivastava and Dilip Kumar Sharma	Fake Content Identification using Pre-Trained Glove Embedding
451	606	Vikas Lamba, Susheela Hooda, Vikas Solanki, Rakesh Ahuja, Sachin Ahuja and Amandeep Kaur	Comparative Analysis of Artificial Neural Networks for Predicting Nifty 50 value in The Indian Stock Market

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Session-10		Date: 22 October 2021		Time: 14:00-18:00	
Keynote Speaker: Dr. Richi Nayak, Associate Professor Faculty of Science, School of Computer Science Australia					
Invited Speaker: Ms. Shruti Sanadhya, Strategic Account Management, Pre-Sales Consulting					
Session Chair 1: Dr. D.Vaithyanathan, National Institute of Technology Delhi					
Session Chair 2: Dr. Vinod Jain, GLA University, Mathura (9813078438)					
Rapporteur: Ms. Anupam Yadav (9690480615)					
• Track : Decision Support Systems					
Zoom Meeting ID: 914 1520 6381 Passcode: 123					
Page	Paper ID	Presenting Authors	Title of the Paper		
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460	452	Shubhi Agrawal, Amit Kumar Mishra	Deploying Blockchain in Education: Security, Challenges, and Solutions		
465	576	Himani Oberai	Online Health Information Behavior: A Study Based on PLS-SEM		
471	604	Shiv Kumar Singh Pundhir	Prediction Model for Petroleum Consumption in India using the Best Fit Model concept		
477	607	Priyanka Gupta, Anchal Garg and Deepti Mehrotra	Usefulness of rubric in assessing writing skills using Clustering		
483	618	Anjana Goel	Review on Role of Artificial Intelligence in COVID-19 Management and Contemporary Medical Sciences		
487	639	Suvendu Kumar Jena	Dynamic Data Mining for Multidimensional Data Based on Machine Learning Algorithms		
494	649	Subhash Chand Agrawal	Evaluation of Machine Learning Techniques in Sentimental Analysis		
499	684	Anshuman	Machine Learning model for detection of Breast Cancer		

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Session-11		Date: 23 October 2021	Time: 09:30-13:00
Keynote Speaker: Dr. Ramesh Dharwath Associate Professor IIT Dhanbad			
Invited Speaker: Mr. Ashish Kaul, Associate Director, Industry 4.0 - How to Thrive and Survive			
Session Chair 1: Dr. Sukomal Dey, Indian Institute of Technology, Palakkad			
Session Chair 2: Dr. Vikram Rajpoot, GLA University, Mathura (9098686144)			
Rapporteur: Ms. Ambika Gupta (8445316984)			
<ul style="list-style-type: none"> • Track : Internet of Things, IIoT 			
Zoom Meeting ID: 980 7738 1943 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
503	19	Mohini Yadav and Majid Jamil	Design and Development of IoT based Smart Dynamic Energy Management for the Built Environment
510	93	Akhilesh Singh and Kirti Verma	IoT based Smart Agriculture System
514	120	Vaibhav Bhujade, Aakanksha Dhaigude, Shreya Zode and Mahesh Shirole	Perpetual Interoperability of legacy ERP and Blockchain in Supply Chain
522	130	Asif Iqbal Mondal and Bijoy Kumar Mandal	Architecture of Bluetooth Security for Pairing Key and Better Authentication*
528	156	Jitin Bahri and Rakesh Garg	Suspicious Behavior Detection Using Man Machine Model with Integration of Virtual Reality
535	176	Kishore Kumar, Sarvesh Tanwar, Subhranil Som and Shishir Kumar	Improvised Secure Transmission Technique accessory on Artificial Intelligence
541	264	Rajiv Mishra, Rajesh Yadav and Prem Nath	Blockchain-Based Decentralized Authorization Technique for Data Sharing in the Internet of Things
547	393	Nirmal Kumar Agarwal, Abhinav Saxena, Aman Rathore, Sonali Arora, Akash Yadav and Ayush Yadav	Auto-Intensity Regulation of Streetlights using Arduino
553	395	Mainak Chakraborty, Srinivasan Aruchamy, Srinivasa Reddy Ns, Sanjib Kumar Mandal and Subhasis Bhaumik	Human Action Classification using seismic sensor and machine learning techniques

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Session-12		Date: 23 October 2021	Time: 09:30-13:00
Keynote Speaker 1: Prof. Moinuddin, Ex Pro VC DTU, Ex Director Ambedkar University Jalandhar			
Keynote Speaker 2: Dr. Rajat Subhra Chakraborty, Associate Professor, IIT Kharagpur			
Session Chair 1: Dr. Sanjog Rawat, Senior Associate Professor, Manipal University Jaipur			
Session Chair 2: Dr. Neetu Faujdar, GLA University, Mathura (9990290589)			
Rapporteur: Ms. Mona Kumari (8726686816)			
• Track : Block chain			
Zoom Meeting ID: 989 5375 7134 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
559	406	Prashant Gupta, Nirmal Kumar Agarwal, Dinanath Prasad and Sanjeev Kumar Ojha	A Strategic Technique for Transient Stability Enhancement by using Coordinated Control of SVC and Optimal Reclosure of Circuit Breaker
566	461	Srashti Rastogi, Priyanka Bhatt and R Gowri	Design and Simulation of First Order Microwave Digital Differentiator & Trapezoidal Integrator
571	472	Akhileshwar Prasad Agrawal and Nanhay Singh	Comparative analysis of SVM Kernels and parameters for efficient anomaly detection in IOT
577	478	Rahul Mishra and Manish Gupta	An Iot Based Environmental Strategic Solution for Fire and Air Pollution Using Cloud Computing Platform
581	484	Pooja Mishra and Tatavarty Guru Sant	Role of AI and IoT in Promoting Banking and Financial Services During COVID-19 Pre and Post Effect
588	520	Happy Pandey, Yajush Pratap Singh, Yashwant Singh, Prabhishek Singh, Manoj Diwakar and Neeraj Kumar Pandey	Comparative analysis of different mining approaches for Blockchain in infant care application on IoT
593	564	María Laura Sánchez-Reynoso, Mario José Diván and Silvio Miguel Gonnet	Recent Applications of Federated Learning in Edge and IoT Environments: A Review
599	578	Karan Kumar Singh, Samiksha Kumar and Parma Nand	A Comparative Study on Energy-Efficient and Non-Energy-Efficient Routing Protocols in Underwater Sensor Networks
608	579	Aryan Chouhan, Aayush Halgekar, Ishaan Khetan, Nemil Shah, Jay Bhatia and Kriti Srivastava	Internet of Behavior (IoB): A Survey
614	583	Monika Deshmukh and Onkar Kemkar	Intrusion Detection System (DBN-IDS) for IoT using optimization enabled deep belief neural network

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Session-13		Date: 23 October 2021		Time: 09:30-13:00	
Keynote Speaker: Dr. Anirban Sengupta, Associate Professor, IIT Indore					
Session Chair 1: Dr. Nitin Tyagi, GLA University, Mathura (9412179002)					
Session Chair 2: Dr. Robin Singh Bhaduria, GLA University, Mathura (9329744955)					
Rapporteur: Ms. Rupali Khare (8298972836)					
• Track : Computational Intelligence System					
Zoom Meeting ID: 971 6874 1425 Passcode: 123					
Page	Paper ID	Presenting Authors	Title of the Paper		
618	77	Reeya Agrawal	Cache Memory Design for Single Bit Architecture for IoT Applications		
622	105	Sandeep Rathor	Smart Agriculture System Using IoT and Cloud Computing		
626	538	Ajitesh Kumar	Real-Time Communication based IoT enabled Smart Sewage Workers Safety Monitoring System		
630	614	Dhirendra Prasad Yadav	Feature Fusion based Deep Learning method for Leukemia cell classification		
634	615	Swati Srivastava	Efficiency of Multi-Protocol LABEL Switching over Traditional Switching		
638	619	Amrit Pal	Query processing for distributed data using AVL Tree		
644	626	Prabhsharan Kaur	Web Application Vulnerabilities & Countermeasures		
650	629	Divya Singh and Rajeev Srivastava	Graph Convolutional Network-based Centre-Object Tracking for the multi-dynamic agents for Autonomous Vehicles		
658	642	Smriti Sachan	An Extensive Learning on the Reliability of Mobile Wireless Sensor Networks		
663	643	Rohit Sharma	MEC Based Energy Efficient Scheduling for Internet of Vehicles		
668	709	Kailash Kumar	Concealing Data in WAVE Audio		

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Session-14		Date: 23 October 2021	Time: 09:30-13:00
Keynote Speaker 1: Dr. Santosh Biswas, Professor, IIT Bhilai			
Keynote Speaker 2: Dr. Karthik Shankar, University of Alberta			
Invited Speaker: Mr. Bankey Bihari Sharma, Manager – Amazon, India			
Session Chair 1: Dr. Jyoti Kaushik, MAIT, New Delhi			
Session Chair 2: Dr. Dharendra Kumar Shukla, GLA University, Mathura (9454083836)			
Rapporteur: Mr. Pawan Kumar Verma, GLA University, Mathura (8126748459)			
• Track : Software & Systems			
Zoom Meeting ID: 957 6921 3061, Pass code 123			
Page	Paper ID	Presenting Authors	Title of the Paper
671	14	Amit Yadav, Ram Naresh Mishra, D. K. Chaturvedi	Synchronous Machine Parameters Estimation using LabVIEW
677	43	Delin Ding and Jun Shen	A New Method on Service Description Supporting Customization in Structured Networks
681	144	Rachna Somkunwar, Anil Kumar Gupta, Anjali Kumari, Komal Ghodke, Ankita Kumari and Jayshree Repale	Web Based Multilingual, Real Time Speech Transcription, Transliteration and Transaltion System
686	188	Mayank Srivastava and Aditi Bhatia	City Scene Anomaly Detection: Survey
691	333	Rishabh Chauhan and Sunil Kumar	Packet Loss Prediction Using Artificial Intelligence Unified with Big Data Analytics, Internet of Things and Cloud Computing Technologies.
697	367	Nihar Ranjan Pradhan, Akhilendra Pratap Singh and Rajesh Mahule	Blockchain Based Smart and Secure Agricultural Monitoring System
703	370	Aksh Agrawal, Samyak Jain, Vikas Deep, Purushottam Sharma and Sakshi Mishra	Meter Reading using OCR for Comfort and Cost Optimization
707	388	Anisom Chakraborty, Ankit Mallick, Srinivasa Reddy Ns, Siva Rama Krishna Vadali and Srinivasan Aruchamy	A Novel Energy Based Ground Movement Detection Technique using Seismic Signal
713	413	Mitali Chugh	A Research perspective on integrating Knowledge Management for Software Engineering
718	438	Nilarjun Das, Shaivya Shankar, Biswabandan Dash, Jayesh Mohan, Manjusha Pandey and Siddharth Swarup Rautaray	Productivity Profiling of Organizations based upon Communication Interpretation and Analysis

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(ISCON 2021)
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Session-15		Date: 23 October 2021	Time: 09:30-13:00
Keynote Speaker: Dr. Samit Bhattacharya, Associate Professor , IIT Guwahati			
Invited Speaker: Mr. Gaurav Krishna, Manager at Accenture, Greater Pittsburgh, USA			
Session Chair 1: Dr. Shailesh Saxena, Asst. Professor, SRMS Women's College of Engineering & Technology) Bareilly			
Session Chair 2: Dr. Gaurav Kumar, GLA University, Mathura			
Rapporteur: Mr. Navin Kumar Agarwal, GLA University, Mathura (9411253442)			
• Track : Knowledge Engineering			
Zoom Meeting ID: 989 4404 0496 Passcode: 123			
Page	Paper ID	Presenting Authors	Title of the Paper
724	447	Puja Tomar, P.P. Bansod, R.C. Gurjar and Rupali Jarwal	Design of Low Power Reversible Logic Based Counter with Efficient Quantum Cost
730	470	Ved Pal and Naresh Chauhan	Role of Machine Learning in Software Testing
735	522	Prabhishek Singh, Manisha Koranga, Rahul Prasad, Akрати Dubey, Manoj Diwakar and Neeraj Kumar Pandey	E-MFIF-NSST: Entropy-based Multi-Focus Image Fusion technique in NSST domain
740	527	Pankaj Kumar Das and Nabin Kumar Pokhrel	Asymmetric CT-Burst Correcting Integer Codes
745	551	Arvind Kumar, Shubham Shrotriya and Mahesh Chandra	Role of temporal amplitude modulation in Indian Political Scenario: Narendra Modi vs. Rahul Gandhi
750	569	Siddhant Mishra, Semil Shah, Avani Vartak and Rupesh Mishra	Digital Solution to Combat Bribery and Justice Restoration System
754	570	Dinesh Kumar Mahto, Vikash Kumar Saini, Akhilesh Mathur, Rajesh Kumar and Akash Saxena	Data Driven Approach for Optimal Power Flow in Distribution Network
760	584	Pooja Yadav and Rashmi Singh	On soft sets based on ES structure, El-algebra
766	627	Avnish Sharma, Utkal Khandelwal	Measuring Online Consumer Conformity among Indian Consumers
770	657	Analene Nagayo, Mahmood Zayid Al Ajmi, Naga Rama Krishna Venkatta, Fatma Saleh Alburadai, Amal Rashid Al Kindi and Ali Hassan Al Farsi	An Unmanned Aerial Robot and Physiological Data Monitoring System integrated into a Patient Transport Vehicle for Emergency Medical Services and Telehealth

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Session-16		Date: 23 October 2021	Time: 12:00-03:30
Keynote Speaker 1: Dr. Aditya Mahajan, Associate Professor, McConnell Engineering Building Montreal, CANADA			
Keynote Speaker 2: Mr. Krishna Gupta, Application Development Manager at Accenture Technology, Accenture, Netherlands			
Session Chair 1: Dr. Neeraj Pandey, Associate Professor, DIT University, Dehradun			
Session Chair 2: Dr. Manish Kumar, GLA University, Mathura (9719232004)			
Rapporteur: Mr. Mayank Agarwal (9897626693)			
• Track : Information Systems			
Zoom Meeting ID: 913 4276 8317 Passcode: 123			
Page	Paper ID	Authors	Title of the Paper
778	21	Swati Srivastava	On the Physiological Measures based Driver's Drowsiness Detection
782	23	Ankita Gupta and Ravindra Kumar Purwar	A Robust Pre-Processing Approach for Handwritten Devanagari Word Recognition System
785	28	J. Dhiviya Rose and S. Christalin Nelson	Expert Decision Support System for Donor Identification Using Multi Agent System
790	36	Pooja Pathak, Shilpy Raghav, Shubhanshu Jain and Sunita Jalal	Essay Rating System Using Machine Learning
796	145	Abhishek Singhal and Devendra Kumar Sharma	Analysis of Classifiers for Gender Identification using Voice Signals
800	164	Manish Kumar and Swati Srivastava	Emotion detection through Facial Expression using Deep Learning
804	180	Rachna Somkunwar, Anil Kumar Gupta, Priyanka Kakade, Harsh Gupta, Aditya Gupta and Pranjal Chinchwade	Contactless Palm Vein Biometric Authentication and Health Monitoring Device
810	186	Arpit Sharma, Arun Velu and Dr. Pawan Whig	AI Application for the sustainable development to reduce carbon footprint
814	343	Rakesh Kumar, Meenu Gupta and S.Rubina Sapra	Speech to text Community Application using Natural Language Processing
820	637	Omkar Sargar	From Hidden Wiki 2020 to Hidden Wiki 2021: What Dark Web Researchers Comprehend with Tor Directory Services?

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Session-17		Date: 23 October 2021		Time: 12:00-03:30	
Keynote Speaker 1: Prof Pradeep Kumar Garg, Professor, IIT Roorkee					
Keynote Speaker 2: Mr. Munish Parihar, Digital Transformation Architect, Plano, Texas, US					
Session Chair 1: Dr. Jitendra Kumar, Assistant Professor, NIT Tiruchirappalli					
Session Chair 2: Dr. Rinku Dutta, GLA University, Mathura (8918612472)					
Rapporteur: Ms. Krati Bansal (8630884768)					
Track : Computer Vision					
Zoom Meeting ID: 966 1784 8542 Passcode: 123					
Page	Paper ID	Authors	Title of the Paper		
824	76	Jatin Agrawal	A study on predicting age using Convolution Neural Network		
830	332	Nikhil Govil	A Game Plan to Build Optimized Regression Testing in Agile Methodologies Using Test Prioritization		
834	373	Girish Thatte, Gayatri Srinivasan, Rahul Mistry, Amisha Waghela and Swati Mali	DeCaptcha: Cracking captcha using Deep Learning Techniques		
840	402	Rishi Agrawal	A Survey of Video Captioning methods		
845	509	Sandeep Singh, Jasgurpreet Singh Chohan and Raman Kumar	A Study on Challenges and Opportunities in Blended Learning		
852	515	Romil Bhanu Prakash Nujella, Shreyas Sahu and Surya Prakash	Face-Mask Detection to Control the COVID-19 Spread using Deep Learning Approach		
855	552	Daneshwari Modi, Ashok Sutagundar and Vijayalaxmi Yalavigi	Crop Recommendation Using Machine Learning Algorithm		
860	555	Goutam Datta, Nisheeth Joshi and Kusum Gupta	Study of NMT: An Explainable AI based approach		
864	581	Pushpalata Bhadane and Onkar Kemkar	Optimized Deep Neuro fuzzy network based automatic approach for segmentation and food recognition		
868	695	Nishant Singh and Aruna Bhat	A Detailed Understanding of Underwater Image Enhancement using Deep Learning		

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Session-18		Date: 23 October 2021	Time: 12:00-03:30
Keynote Speaker 1: Dr. Debabrata Datta, Retired Senior Scientist & Head Radiological Physics BARC, Bombay			
Keynote Speaker 2: Mr. Sandeep Jain, Senior Solutions Architect at Westpac, Sydney, New South Wales, Australia			
Session Chair 1: Dr. Imran Alam, GLA University, Mathura (7979748744)			
Session Chair 2: Dr. Vinay Kumar Tomar, GLA University, Mathura (9368945427)			
Rapporteur: Dr. Saroj Kumar Pandey (9039192302)			
Track: Expert System and Soft-computing			
Zoom Meeting ID: 955 6593 0279 Passcode: 123			
Page	Paper ID	Authors	Title of the Paper
874	10	Upasana Singh	A Review: Image Enhancement on MRI Images
880	32	Saurabh Singhal	Data Duplication Removal Technology Using AWS Services
884	34	Prince	Multidisciplinary Real-Time Model for Smart Agriculture based on Weather Forecasting Using IoT, Machine Learning, Big Data and Cloud.
889	138	Subhash Chand Agrawal	Face Recognition: A review of Datasets and Methods
895	179	Deepak Mangal	IoT Enabled Smart Airport System to avoid covid-19
900	184	Shashi Shekhar	An Automatic Pun Word Identification Framework for Code Mixed Text
905	225	Harsh	Automatic Counting System Using IoT and Computer Vision
909	602	Priyanka Jaiswal	Classification and prediction of oral diseases in dentistry using an insight from panoramic radiographs and questionnaire
915	50	Nidhi Upadhyay and Dr. Neeraj Gupta	A Survey on Diseases Detection for Agriculture Crops Using Artificial Intelligence
923	722	Piyush Choudhary	An Analysis of PV Fed Induction Motor-Pump System

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Session-19		Date: 23 October 2021	Time: 12:00-03:30
Keynote Speaker: Dr. Vipin Balyan, Cape Peninsula University of Technology, South Africa			
Session Chair 1: Dr. Sandeep Kumar Rathore, GLA University, Mathura (9456606364)			
Session Chair 2: Dr. Ankush Agarwal, GLA University, Mathura (9997521145)			
Rapporteur: Mr. Shabir Ali (8958234055)			
Track: Machine & Deep Learning Techniques			
Zoom Meeting ID: 980 0437 0998 Passcode: 123			
Page	Paper ID	Authors	Title of the Paper
931	56	Shikha Chadha, Neha Gupta, Rosey Chauhan and Gunjan Srivastava	Mortality Rate Extrapolation Based on Symptomatic Symptoms of Novel CoronaVirus
936	146	Sachin Kumar	A Comprehensive Survey of Security Challenges and Threats in Internet of Things
941	244	Deepesh Srivastava	Predicting Diabetes Mellitus Using Machine Learning Algorithms
945	247	Himanshu Sharma	Improving Natural Language Processing tasks by Using Machine Learning Techniques
950	268	Manish Raj	Self-Supervised Planning for Robots using Video Prediction
957	414	Dakshita Thakkar	Inclusive Analysis of Covid-19 disease and Vaccination in India
964	460	Anil Kumar and B.D. K. Patro	Modeling and Representation of Software Framework Cost Estimation using Convolution Neural Network
969	462	Navin Kumar Agrawal	An analytical study of digital marketing and use of emerging Tools.
973	469	Saurabh Singhal	Resource Scheduling Algorithms in Cloud Computing: A Big Picture
979	523	Hitendra Garg	A brief analysis of soft computing techniques in software fault prediction

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Session-20		Date: 23 October 2021	Time: 12:00-03:30
Keynote Speaker:			
Session Chair 1: Dr. Neeraj Gupta, GLA University, Mathura (9897267040)			
Session Chair 2: Dr. Gaurav Kumar, GLA University, Mathura (8586968801)			
Rapporteur: Ms. Rupali Khare (8298972836)			
Track: Transfer Learning Techniques			
Zoom Meeting ID: 935 7357 2927 Passcode: 123			
Page	Paper ID	Authors	Title of the Paper
986	70	Asheesh Tiwari	Developing trends and challenges of digital forensics
991	72	Kabir Kararia	Unmanned Approach for Real Time Monitoring Of People Wearing Mask In Pandemic Scenario
996	81	Dibakar Sinha and Ashish Sharma	Cardiac Arrest Detection using Genetic machine learning algorithm
1000	233	Ajeet Kumar Sharma	Covid 19: Emergence of e-learning system in Indian Perspective
1005	246	Himanshu Sharma, Pawan Bora and Pranjil Soni	Analysis of different models for Face Recognition Door Lock
1010	349	Samarth Ahuja	An intelligence system for medicine Recommendation: Review
1015	400	Rahul Pradhan	Rule based Approach to convert abbreviation into phrases
1020	448	Parul Chaudhary	A Review of Convolution Neural Network used in Various Applications
1025	481	Vamshi Krishna K	A Delay Sensitive Multi-Path Selection to Prevent the Rushing Attack in VANET
1032	528	Susheela Hooda, Vikas Lamba and Amandeep Kaur	AI and Soft Computing Techniques for Securing Cloud and Edge Computing: A Systematic Review
1037	665	Greshma Shaji	Detecting COVID-19 from Chest X-Ray Images using Deep Learning

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Session-21		Date: 23 October 2021	Time: 12:00-03:30
Keynote Speaker:			
Session Chair 1: Dr. Mayank Srivastava, GLA University, Mathura (8979132666)			
Session Chair 2: Dr. Pratik Roy, GLA University, Mathura (9635266444)			
Rapporteur: Madhusudan Kumar (7488044629)			
Track: Machine Learning Applications			
Zoom Meeting ID: 975 6615 0776 Passcode: 123			
Page	Paper ID	Authors	Title of the Paper
1041	42	Vivek and Mona Kumari	Multidisciplinary Real-Time Model for Krishi Seva
1045	261	Sarvesh S, V. Vaishnav, Sidharth R. V., Thangakumar J, Sathyalakshmi S	A Hybrid Model for Stock Price Prediction Using Machine Learning Techniques with CNN
1051	271	Sai Yaswanth Myneni, Sai Krishna Rajagopal, Sriram Chowdary Maddipatla, Sathya Priya. S	Machine Learning Based Brain Tumor Diagnosis and Stage Detection
1056	272	P. Sai Deepak, V. Somanadh , Padmaveni Krishnan,E. Monish Ram Reddy	Assistive Morse Code System for Blind Individuals
1061	275	R .Bhavadeesh, D.Srinivas, P .Traun chandra kumar, R.Krishnaveni	IOT Based Smart Street Lighting System For Smart City
1064	337	Veera Ankalu.Vuyyuru Giduturi.Apparao S. Anuradha	Rainfall Prediction Using Machine Learning Based Ensemble Model
1068	356	Ponnam Harikrishna, Jakeer Hussain Shaik	Classification of Cardiac Arrhythmias using Recurrent Neural Network and selected features
1075	363	H. V. Ravish Aradhya, Juhie Fadavis, Spoorthi G. Gojanur	Memory Design and Verification of SRAM-based Energy Efficient Ternary Content Addressable Memory
1082	487	M. K. Kishore B. Nancharaiah, V. Gajendra Kumar	A Survey on Cross Layer Energy Efficient Protocol for WMNs
1087	488	Pallavaram Venkateswar Lal, Uppalapati Srilakshmi, D. Venkateswarlu	A survey on Face Recognition system using Extreme learning machines
1092	489	K.Nitya B.Nancharaiah S.Venkatesan	A Comparative Survey on Secure energy efficient routing in WSNs

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Session-22		Date: 23 October 2021		Time: 12:00-03:30	
Keynote Speaker:					
Session Chair 1: Dr. Vikram Rajpoot, GLA University, Mathura (9098686144)					
Session Chair 2: Dr. Robin Singh Bhaduria, GLA University, Mathura (9329744955)					
Rapporteur: Rahul Kumar (7274851435)					
Track: Deep Learning Applications					
Zoom Meeting ID: 966 9556 2305 Passcode: 123					
Page	Paper ID	Authors	Title of the Paper		
1097	377	Hari Prapan Sharma and Ashish Chaturvedi	Adoption of Smart Technologies: An Indian Perspective		
1101	441	Rishabh Vats, Ritu Rai and Manoj Kumar	COVID-19 and Artificial Intelligence: Potential and Challenges		
1107	524	Hitendra Garg	A way towards explainable AI using neuro-fuzzy system		
1113	536	Ashish Gaur, Gaurav Pant and Anand Singh Jalal	Morphology-based identification and classification of harmful bloom forming algae through Inception V3 Convolution Neural Network		
1116	661	Seemant Yadav	Efficiency measurement of Banks using Data Envelopment analysis		
1120	664	Bhawna Narwal	SLUASCIoT : A secure and lightweight User Authentication Scheme for Cloud-IoT Services		
1125	711	Shourya Chawla, Sumita Gupta and Rana Majumdar	Movie Recommendation Models Using Machine Learning		
1131	712	Nouf Al-Kahtani	Contemporary Emerging Trends of Text Mining Techniques used in Social Media Websites: In-Depth Analysis		
1137	713	Fakhrun Jamal	Comparative Analysis of Load Balancing Techniques in Cloud Computing, Based on LB Metrics		
1142	728	Arun Kothari	Ensemble Methods On NSL-KDD		